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Registration Decision RD2010-05

Saflufenacil

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Registration Decision for Saflufenacil

Health Canada's Pest Management Regulatory Agency (PMRA), under the authority of the *Pest Control Products Act* and Regulations, is granting full registration for the sale and use of saflufenacil technical (Kixor) and its end use products Heat WG, Eragon and Integrity, containing the technical grade active ingredient saflufenacil to control broadleaf weeds in lentils, soybean, barley, canary seed, chickpea, field corn, sweet corn, oats, dried field peas, wheat (spring, durum and winter) and in chemfallow.

An evaluation of available scientific information found that, under the approved conditions of use, the product has value and does not present an unacceptable risk to human health or the environment.

These products were first proposed for registration in the consultation document[1]: Proposed Registration Decision PRD2009-18, *Saflufenacil*. This Registration Decision[2] describes this stage of the PMRA's regulatory process for saflufenacil and summarizes the Agency's decision and the reasons for it. The PMRA received no comments on PRD2009-18. This decision is consistent with the proposed registration decision stated in PRD2009-18.

For more details on the information presented in this Registration Decision, please refer to the Proposed Registration Decision PRD2009-18, *Saflufenacil* that contains a detailed evaluation of the information submitted in support of this registration.

What Does Health Canada Consider When Making a Registration Decision?

The key objective of the *Pest Control Products Act* is to prevent unacceptable risks to people and the environment from the use of pest control products. Health or environmental risk is considered acceptable[3] if there is reasonable certainty that no harm to human health, future generations or the environment will result from use or exposure to the product under its conditions of registration. The Act also requires that products have value[4] when used according to label directions. Conditions of registration may include special precautionary measures on the product label to further reduce risk.

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1 "Consultation statement" as required by subsection 28(2) of the *Pest Control Products Act*.

2 "Decision statement" as required by subsection 28(5) of the *Pest Control Products Act*.

3 "Acceptable risks" as defined by subsection 2(2) of the *Pest Control Products Act*.

4 "Value" as defined by subsection 2(1) of *Pest Control Products Act*"...the product's actual or potential contribution to pest management, taking into account its conditions or proposed conditions of registration, and includes the product's (*a*) efficacy; (*b*) effect on host organisms in connection with which it is intended to be used; and (*c*) health, safety and environmental benefits and social and economic impact".

To reach its decisions, the PMRA applies modern, rigorous risk-assessment methods and policies. These methods consider the unique characteristics of sensitive subpopulations in humans (for example, children) as well as organisms in the environment (for example, those most sensitive to environmental contaminants). These methods and policies also consider the nature of the effects observed and the uncertainties when predicting the impact of pesticides. For more information on how the PMRA regulates pesticides, the assessment process and risk-reduction programs, please visit the Pesticides and Pest Management portion of Health Canada's website at healthcanada.gc.ca/pmra.

What is Saflufenacil?

Saflufenacil is a herbicidal compound which inhibits the protoporphyrinogen-IV oxidase enzyme in sensitive plants. The result is build-up of phytotoxic intermediates, rapid development of chlorotic to necrotic symptoms and ultimately plant death. This compound is efficacious against broadleaf weeds.

Saflufenacil is regarded as a Weed Science Society of America Group 14 or Herbicide Resistance Action Committee Group E herbicide.

Heat WG and Eragon contain the active ingredient saflufenacil at 70%. Integrity contains saflufenacil at 68 grams per litre of product and dimethenamid-P at 600 grams per litre of product.

Health Considerations

Can Approved Uses of Saflufenacil Affect Human Health?

Saflufenacil is unlikely to affect your health when used according to label directions.

Exposure to saflufenacil may occur through diet (food and water) or when handling and applying the product. When assessing health risks, two key factors are considered: the levels where no health effects occur and the levels to which people may be exposed. The dose levels used to assess risks are established to protect the most sensitive human population, such as children and nursing mothers. Only uses for which the exposure is well below levels that cause no effects in animal testing are considered acceptable for registration.

Toxicology studies in laboratory animals describe potential health effects from varying levels of exposure to a chemical and identify the dose where no effects are observed. The health effects noted in animals occur at doses more than 100-times higher (and often much higher) than levels to which humans are normally exposed when using saflufenacil products according to label directions.

Saflufenacil end-use products Heat WG and Eragon cause dermal irritation in rabbits. Integrity is a dermal and eye irritant as well as a potential skin sensitizer. All end-use formulations are of low acute toxicity by the oral, dermal, and inhalation routes of exposure.

When tested in laboratory animals, technical saflufenacil was not genotoxic, oncogenic, neurotoxic, or toxic to the reproductive system. Repeat administration of saflufenacil resulted in microcytic hypochromic anemia affecting the red blood cell parameters.

In the rat developmental toxicity study, saflufenacil delayed the development of fetuses and resulted in an increased incidence of the skeletal malformation (bent scapula) at a dose that was not toxic to the dams. No adverse developmental effects were observed in the rabbit developmental toxicity study. The identified offspring toxicity in the absence of maternal toxicity and the occurrence of skeletal formation in the rat developmental toxicity study are taken into consideration in the assessment of risk to infants and children.

The risk assessment protects against these effects by ensuring levels of human exposure are well below the lowest dose at which these effects occur in animal studies.

Residues in Water and Food

Dietary risks from food and water are not of concern

Aggregate dietary intake estimates (food plus water) revealed that the general population, including infants, the subpopulation which would ingest the most saflufenacil relative to body weight, are expected to be exposed to less than 24.4% of the acceptable daily intake. Based on these estimates, the chronic dietary risk from saflufenacil is not of concern for all population subgroups.

A single dose of saflufenacil is not likely to cause acute health effects in the general population or in women aged 13–49 years. The aggregate (food and water) dietary intake estimates were 44.37% of the reference dose for females 13–49 years old and ≤0.61% of the reference dose for all other population subgroups, which are not a health concern.

The *Food and Drugs Act* prohibits the sale of adulterated food, that is, food containing a pesticide residue that exceeds the established maximum residue limit (MRL). Pesticide MRLs are established for *Food and Drugs Act* purposes through the evaluation of scientific data under the *Pest Control Products Act*. Food containing pesticide residue that does not exceed the established MRL does not pose an unacceptable health risk.

Results proved acceptable from residue trials conducted throughout Canada and the United States using saflufenacil on legume vegetables (Crop Group 6), citrus fruits (Revised Crop Group 10), pome fruits (Crop Group 11), stone fruits (Crop Group 12), tree nuts (Crop Group 14), cereal grains (Crop Group 15), grapes, sunflower seeds and cotton. The MRLs for this active ingredient can be found in the Science Evaluation section of Proposed Registration Decision PRD2009-18, *Saflufenacil*.

Occupational Risks From Handling Heat WG, Eragon and Integrity

Occupational risks are not of concern when Heat WG, Eragon and Integrity are used according to the proposed label directions, which include protective measures.

Farmers and pesticide applicators mixing, loading or applying Heat WG, Eragon and Integrity as well as field workers re-entering freshly treated fields can come in direct contact with Heat WG, Eragon and Integrity on the skin or through inhalation of spray mists.

Therefore, the labels will specify appropriate personal protective equipment such as long-sleeved shirt, long pants, chemical-resistant gloves, shoes plus socks, coveralls, chemical-resistant coveralls, goggles or face shield, or engineering control for anyone conducting specific tasks with one of the end-use products of saflufenacil. Full details are provided in the risk-reduction measures for human health.

Taking into consideration the label requirements and that occupational exposure is expected to be short- to intermediate-term because this herbicide may be applied to any given crop only twice per year, risk to farmers, applicators or workers is not a concern.

For bystanders, exposure is expected to be much less than that of field workers and is considered negligible. Therefore, health risks to bystanders are not of concern.

For postapplication, exposure is expected to be minimal because Heat WG, Eragon and Integrity are applied directly to the ground using a groundboom sprayer either before the crop has been planted or after it has been planted but before emergence. Therefore, health risks to workers entering treated fields are not of concern.

Environmental Considerations

What Happens When Saflufenacil is Introduced into the Environment?

Saflufenacil and its degradates have high potential to reach groundwater. Without risk-reduction measures, saflufenacil may impact non-target terrestrial plants adjacent to the treatment area.

Saflufenacil is degraded by both chemical reactions and microorganisms in soil and aquatic systems. The rate of degradation is enhanced by sunlight. Saflufenacil is non-persistent to slightly persistent in soil and moderately persistent in aquatic systems. Saflufenacil and its degradates are mobile in soil and have high potential to reach groundwater. Saflufenacil does not bioconcentrate and is therefore unlikely to bioaccumulate.

Risks to non-target terrestrial plants as a result of spray drift have been identified in areas adjacent to the treatment area. There are no concerns about saflufenacil or its transformation products affecting any other non-target organisms.

Risks to aquatic plants and amphibians have been identified for the Integrity formulation, which is a co-formulation of saflufenacil and another herbicide, dimethenamid-P.

Value Considerations

What Is the Value of Heat WG, Eragon and Integrity?

Saflufenacil, a postemergence and a residual herbicide, controls a broad spectrum of broadleaf weeds in lentils, soybean, barley, canary seed, chickpea, field and sweet corn, oats, dried field peas, wheat (spring, durum and winter) and in chemfallow.

A single application of saflufenacil provides effective control of several broadleaf weeds including kochia, Canada fleabane, lamb's quarters, redroot pigweed, round-leaved mallow, stinkweed, volunteer Canola (all herbicide tolerant types including Roundup Ready), wild buckwheat, wild mustard, common ragweed and velvetleaf; it also suppresses dandelion.

Saflufenacil is compatible with integrated weed management practices, conservation tillage and conventional crop production systems. As saflufenacil is applied after weed emergence, growers are able to assess whether the herbicide is suitable for the particular weed species present.

Measures to Minimize Risk

Labels of registered pesticide products include specific instructions for use. Directions include risk-reduction measures to protect human and environmental health. These directions must be followed by law.

The key risk-reduction measures on the label of Heat WG, Fragon and Integrity to address the potential risks identified in this assessment are as follows.

Key Risk-Reduction Measures

Human Health

As there is a concern with users coming into direct contact with Heat WG, Fragon and Integrity on the skin or through inhalation of spray mists, anyone mixing, loading and applying Heat WG, Fragon and Integrity must wear appropriate personal protective equipment.

Integrity

Wear a long-sleeved shirt, long pants, chemical-resistant gloves and shoes plus socks during mixing, loading, clean-up and repair. In addition, wear goggles or face shield during mixing and loading. Applicators must wear a long-sleeved shirt, long pants and shoes plus socks.

Custom applicators performing mixing, loading and application must wear chemical-resistant coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, and goggle or face shield during mixing and loading.

Heat WG and Fragon

Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves and shoes plus socks during mixing, loading, clean-up and repair. In addition, wear goggles or face shield during mixing and loading. Applicators must wear a long-sleeved shirt, long pants, coveralls and shoes plus socks.

Custom handlers treating corn fields must wear chemical-resistant coveralls over a long-sleeved shirt, long pants and chemical-resistant gloves during mixing, loading, application, clean-up and repair and, additionally, goggles or a face shield during mixing and loading. Custom applicators performing mixing, loading, and application must use a closed mixing and loading system.

In addition, standard label statements to protect against drift during application were added to the labels.

Environment

To mitigate risks from the use of saflufenacil to non-target terrestrial plants, spray buffer zones are required to protect terrestrial habitats adjacent to the treatment area. The sizes of the buffer zones range from 4 to 15 metres for application rates ranging 18 to 100 grams of saflufenacil per hectare.

To mitigate risks to aquatic plants and amphibians from the use of Integrity, a spray buffer zone of one metre is required on the Integrity label to protect aquatic habitats adjacent to the treatment areas.

Other Information

1. The relevant test data on which the decision is based (as referenced in this document) are available for public inspection, upon application, in the PMRA's Reading Room (located in Ottawa). For more information, please contact the PMRA's Pest Management Information Service by phone (1-800-267-6315) or by e-mail (pmra.infoserv@hc-sc.gc.ca).

2. Any person may file a notice of objection[5] regarding this registration decision within 60 days from the date of publication of this Registration Decision. For more information regarding the basis for objecting (which must be based on scientific grounds), please refer to the Pesticides and Pest Management portion of Health Canada's website under Request a Reconsideration of Decision (www.hc-sc.gc.ca/cps-spc/pest/protect-proteger/publi-regist/index-eng.php#rrd) or contact the PMRA's Pest Management Information Service.

[5] As per subsection 35(1) of the *Pest Control Products Act*.

References

A. List of Studies/Information Submitted by Registrant

1.0 Chemistry

1546764 2008, Container Material and Description, DACO 3.5.5, IIA 2.14

1546765 2007, Compulsory Data for the Evaluation of the Plant Protection Product BAS 800 01 H, MRID # 47128201, DACO 3.1.1, 3.1.2, 3.2.1, IIIA 1.1, IIIA 1.2.1, IIIA 1.2.2, IIIA 1.2.3

1546767 2008, Group A - Product identity, composition and analysis, Lab Report # FR0739, MRID # 47128202, DACO 3.1.3, 3.1.4, 3.2.2, 3.2.3, 3.3.1, 3.3.2, IIIA 1.3, IIIA 1.4.1, IIIA 1.4.2, IIIA 1.4.5.1, IIIA 1.4.5.2 CBI

1546769 2008, Group A - Product identity, composition and analysis, Lab Report # FR0739, MRID # 47128202, DACO 3.1.3, 3.1.4, 3.2.2, 3.2.3, 3.3.1, 3.3.2, 3.4.1, 3.5.1, 3.5.10, 3.5.12, 3.5.14, 3.5.2, 3.5.3, 3.5.6, 3.5.7, 3.5.8, IIIA 1.3, IIIA 1.4.1, IIIA 1.4.2, IIIA 1.4.5.1, IIIA 1.4.5.2, IIIA 2.1, IIIA 2.13, IIIA 2.2.1, IIIA 2.2.2, IIIA 2.4.1, IIIA 2.6.2, IIIA 2.7.2, IIIA 5.2.1 CBI

1546770 2008, Formulation Type, DACO 3.5.4, IIIA 1.5

1546773 2007, BAS 800 01 H: Determination of physical state, pH, bulk density and explodability, Lab Report # 143705, MRID # 47128204, DACO 3.5.1, 3.5.12, 3.5.2, 3.5.3, 3.5.6, 3.5.7, IIIA 2.1, IIIA 2.2.1, IIIA 2.4.1, IIIA 2.6.2

1546774 2008, Miscibility, DACO 3.5.13, IIIA 2.11

1546779 2007, BAS 800 01 H: Determination of oxidation/reduction, Lab Report # 143711, MRID # 47128205, DACO 3.5.8, IIIA 2.2.2

1546780 2008, Flammability & Dielectric Breakdown Voltage, DACO 3.5.11, 3.5.15, IIIA 2.12, IIIA 2.3.1, IIIA 2.3.2

1546781 2008, Viscosity, DACO 3.5.9, IIIA 2.5.1, IIIA 2.5.2

1546782 2007, BAS 800 01 H: Storage stability and corrosion, MRID # 47128206, DACO 3.5.10, 3.5.14, IIIA 2.13, IIIA 2.7.2

1546787 2007, Validation of analytical method AFR0064/01 and GLP certification of BAS 800 01 H formulation Lot 1641-87 and BAS 800 02 H Lot 1631-22, Lab Report # F200717, MRID # 47128203, DACO 3.4.1, IIIA 5.2.1 CBI

1546802 2008, Pyrolysis Study, DACO 3.7, 5.14, 7.8, 8.6, IIIA 5.9

1546908 2007, Preliminary analysis of five batches of BAS 800H TGAI, Lab Report # 132476 1, MRID # 47127803, DACO 2.13.3, IIA 1.11.1 CBI

1546910 2008, Manufacturing Summary for BAS 800H Technical Active Ingredient, DACO 2.11.1, 2.11.3, 2.11.4, IIA 1.8.1 CBI

1546911 2007, BASF proposal to commercially produce[CBI REMOVED] BAS 800H technical, MRID # 47127805, DACO 2.12.1, 2.12.2, IIA 1.9.1 CBI

1546912 2007, BAS 800H technical grade active ingredient: Composition and certified limits, MRID # 47127806, DACO 2.12.1, 2.12.2, IIA 1.9.1, IIA 1.9.2, IIA 1.9.3 CBI

1546913 2006, BAS 800H: Physical state and melting point of pure active ingredient (PAI), Lab Report # 132467, MRID # 47127816, DACO 2.14.4, IIA 2.1.1

1546914 2008, Boiling Point / Boiling Range, DACO 2.14.5, IIA 2.1.2

1546915 2007, BAS 800H TGAI: Storage stability and corrosiveness, MRID # 47127814, DACO 2.14.14, 2.16, IIA 2.17.1, IIA 2.18

1546916 2007, BAS 800H (TGAI): Stability to normal and elevated temperature, metal and metal ions, Lab Report # 132488, MRID # 47127813, DACO 2.14.13, IIA 2.17.2

1546917 2007, BAS 800H (MP): Determination of oxidation/reduction, physical state, pH, bulk density, explodability and odor, Lab Report # 132485, MRID # 47127812, DACO 2.14.1, 2.14.2, 2.14.3, 2.14.6, IIA 2.13, IIA 2.15, IIA 2.16, IIA 2.2, IIA 2.4.1, IIA 2.4.2

1546918 2005, BAS 800H - Reg. No. 4054449: Physical properties of the pure active ingredient, Lab Report # 132464-1, MRID # 47127821, DACO 2.14.9, IIA 2.3.1

1546919 2007, Determination of the Henrys law constant for BAS 800H at 25°C, MRID # 47128822, DACO 2.16, IIA 2.3.2

1546920 2007, BAS 800H: Spectroscopic characterization by NMR, MS, IR and UV/Vis, Lab Report # F200523, MRID # 47127815, DACO 2.13.2, 2.14.12, IIA 2.5.1.1, IIA 2.5.1.2, IIA 2.5.1.3, IIA 2.5.1.4

1546922 2007, Identification of active substance BAS 800H (Reg. No. 4054449) and minor components in technical-grade material, MRID # 47127804, DACO 2.12.1, 2.12.2, 2.13.2, 2.14.12, IIA 2.5.1.2, IIA 2.5.1.3, IIA 2.5.1.4, IIA 2.5.1.5, IIA 2.5.1.6, CBI

1546923 2005, BAS 800H: Water solubility at 20°C by shake flask method, Lab Report # 132452a, MRID # 47127819, DACO 2.14.7, IIA 2.6

1546924 2007, BAS 800H: Solubility of 800H in organic solvents, Lab Report # 132461, MRID # 47127820, DACO 2.14.8, IIA 2.7

1546925 2005, BAS 800H: Partition coefficient (n-octanol/water) estimation by high performance liquid chromatography, Lab Report # 132458, MRID # 47127818, DACO 2.14.11, IIA 2.8.1

1546930 2006, BAS 800H: Dissociation constant, Lab Report # F200524, MRID # 47127817, DACO 2.14.10, 8.2.3.2, IIA 2.9.5

1546932 2008, Sample of Analytical Standard, DACO 2.15, IIA 4.1.1

1546933 2005, Analytical Method API.0498/01: Determination of BAS 800H technical grade active ingredient TGAI by [CBI REMOVED], Lab Report # API.0498/01, MRID # 47127807, DACO 2.13.1, IIA 4.2.1 CBI

1546935 2005, Validation of analytical API.0498/01: Determination of BAS 800H technical grade active ingredient by HPLC, Lab Report # 132491-2, MRID # 47127808, DACO 2.13.1, IIA 4.2.1 CBI

1546937 2007, Analytical Method API.0525/01: Determination of impurities in BAS 800H technical grade active ingredient TGAI, Lab Report # API.0525/01, MRID # 47127809, DACO 2.13.1, IIA 4.2.1, CBI

1546939 2007, Validation of Analytical Method API.0525/01: Determination of impurities in BAS 800H technical grade active ingredient TGAI, Lab Report # 132491_3, MRID # 47127810, DACO 2.13.1, IIA 4.2.1, CBI

1546942 2007, [CBI REMOVED]determination of [CBI REMOVED] in BAS 800H and validation of the [CBI REMOVED] method AM/01011/01e, MRID # 47127811, DACO 2.13.1, IIA 4.2.1, CBI

1546943 2007, Method validation of BASF Analytical Method D0503 "The determination of residues of BAS 800H and its metabolites in soil using LC/MS/MS, Lab Report # 132659, MRID # 47127831, DACO 8.2.2.1, 8.2.2.2, IIA 4.4, IIA 4.6

1546945 2007, Independent laboratory validation of BASF Analytical Method D0503: The determination of residues of BAS 800H and its metabolites in soil using LC/MS/MS, Lab Report # ADPEN-2K7-903-132662, MRID # 47127832, DACO 8.2.2.1, 8.2.2.2, IIA 4.4, IIA 4.6

1546946 2005, Validation of Analytical Method API.0500/01: Determination of pesticides in water by HPLC/MS, Lab Report # 230119_1, MRID # 47127928, DACO 8.2.2.3, IIA 4.5

1547308 2008, Chemistry Requirements for the Registration of Manufacturing Concentrates and End-Use Products Formulated from Registered Sources of Active Ingredients, DACO 3.1.1, 3.1.2, 3.1.3, 3.1.4, IIIA 1.1, IIIA 1.2.1, IIIA 1.3

1547309 2008, BAS 781 02 H (68 g/L BAS 800H + 600 g/L Dimethenamid-P EC) Group A - Product Identity, Composition and Analysis, Lab Report # FR0744, MRID # 47128501, DACO 3.2.1, 3.2.2, 3.2.3, 3.3.1, 3.3.2, IIIA 1.2.3, IIIA 1.4.2, IIIA 1.4.4, IIIA 1.4.5.1, IIIA 1.4.5.2, CBI

1547311 2007, BAS 781 02 H: Determination of physical state, pH, explodability, flammability, relative density, and Viscosity, Lab Report # 133178_20, MRID # 47128503, DACO 3.5.1, 3.5.11, 3.5.12, 3.5.13, 3.5.2, 3.5.3, 3.5.4, 3.5.6, 3.5.7, 3.5.9, IIIA 1.5, IIIA 2.1, IIIA 2.11, IIIA 2.2.1, IIIA 2.3.1, IIIA 2.4.1, IIIA 2.5.2, IIIA 2.6.2

1547312 2008, Dielectric breakdown voltage, DACO 3.5.15, IIIA 2.12

1547313 2008, Corrosion characteristics, DACO 3.5.14, IIIA 2.13

1547314 2008, Container material and description, DACO 3.5.5, IIIA 2.14

1547315 2007, BAS 781 02 H: Determination of oxidation/reduction, Lab Report # 133181_20, MRID # 47128504, DACO 3.5.8, IIIA 2.2.2

1547316 2007, BAS 781 02 H: Storage stability, MRID # 47128505, DACO 3.5.10, IIIA 2.7.1

1547319 2007, Validation of Analytical Methods AFR0068/01 and AFR0069/01, and the GLP Certification of BAS 781 01 H Formulation Lot 1632-15, BAS 781 UN H Formulation Lot 1632-35-7, and BAS 781 UO H Formulation Lot 1632-38, Lab Report # US-F200712, MRID # 47128502, DACO 3.4.1, IIIA 5.2.1

1547320 2008, BAS 781 02 H Minor Change Reasoning, DACO 3.7, 5.14, 7.8, 8.6, IIIA 5.9, CBI

1547321 2008, Tank Mix Compatibility Report for BAS 781 02 H with UAN Fertilzer, Lab Report # FR0750, MRID # 0, DACO 3.7, 5.14, 7.8, 8.6, IIIA 5.9, CBI

1634457 2008, Independent laboratory validation of BASF analytical method D0502: The determination of residues of BAS 800H and its metabolites, in water using LC-MS/MS, Lab Report # SubNo-200808-06-01, US-ADPEN-2K8-903-351551, US-351551, MRID # 47523803, DACO 8.2.2.3, IIA 4.5

1634458 2008, Method validation of BASF analytical method D0502 entitled: The determination of residues of BAS 800H and its metabolites in water using LC-MS/MS, Lab Report # SubNo-200808-01-02, US-132692, MRID # 47523802, DACO 8.2.2.3, IIA 4.5

1731026 2009, Amended final report: Method validation of BASF analytical method D0503 entitled: The determination of residues of BAS 800H and its metabolites, in soil using LC/MS/MS, Lab Report # SubNo-200711-17-02, US-132659, MRID # 47699902, DACO 8.2.2.1, 8.2.2.2

1731027 2009, Method validation of BASF analytical method D0502 entitled: The determination of residues of BAS 800H and its metabolites in water using LC-MS/MS, Lab Report # SubNo-200808-01-03, US-132692, MRID # 47699903, DACO 8.2.2.3

2.0 Human and Animal Health

1546803 2007, BAS 800 01 H - Acute oral toxicity study in rats, Lab Report # 10A0320/061117, MRID # 47128208, DACO: 4.6.1, IIIA 7.1.1

1546804 2007, BAS 800 01 H - Acute oral toxicity study in rats, Lab Report # 10A0320/061117, MRID # 47128208, DACO 4.6.1, IIIA 7.1.1

1546806 2007, BAS 800 01 H - Acute dermal toxicity study in rats, Lab Report # 11A0320/061126, MRID # 47128209, DACO 4.6.2, IIIA 7.1.2

1546808 2007, BAS 800 01 H - Acute inhalation toxicity study in Wistar rats - 4-hour dust exposure, Lab Report # 1310320/067021, MRID # 47128210, DACO 4.6.3, IIIA 7.1.3

1546810 2007, BAS 800 01 H - Acute dermal irritation/corrosion in rabbits, Lab Report # 18H0320/062235, MRID # 47128212, DACO 4.6.5, IIIA 7.1.4

1546812 2007, BAS 800 01 H - Acute eye irritation in rabbits, Lab Report # 11H0320/062236, MRID # 47128211, DACO 4.6.4, IIIA 7.1.5

1546814 2007, BAS 800 01 H - Modified BUEHLER test (9 inductions) in guinea pigs, Lab Report # 33H0320/062237, MRID # 47128213, DACO 4.6.6, IIIA 7.1.6

1546951 2007, 14C-BAS 800H: Study on the biokinetics in rats, Lab Report # 02B0627/046008, MRID # 47128129, DACO 4.5.9, IIA 5.1.1

1546953 2007, The metabolism of 14C-BAS 800H (Reg. No. 4054449) in rats, Lab Report # 132617, MRID # 47128130, DACO 4.5.9, IIA 5.1.1

1546959 2006, Health effects assessment of Trifluoracetic Acid residues resulting from plant metabolism of BAS 800H, Lab Report # 2006/7011066, MRID # 47128134, DACO 4.8, IIA 5.10

1546961 2005, BAS 800H - Acute oral toxicity study in rats, Lab Report # 10A0414/011124, MRID # 47128101, DACO 4.2.1, IIA 5.2.1

1546963 2005, BAS 800H - Acute dermal toxicity study in rats, Lab Report # 11A0414/011125, MRID # 47128102, DACO 4.2.2, IIA 5.2.2

1546965 2005, BAS 800H - Acute inhalation toxicity study in Wistar rats, Lab Report # 13I0414/017021, MRID # 47128103, DACO 4.2.3, IIA 5.2.3

1546967 2005, BAS 800H - Acute dermal irritation / corrosion in rabbits, Lab Report # 18H0414/012293, MRID # 47128106, DACO 4.2.5, IIA 5.2.4

1546969 2005, BAS 800H - Acute eye irritation in rabbits, Lab Report # 11H0414/012297, MRID # 47128104, DACO 4.2.4, IIA 5.2.5

1546971 2007, BAS 800H - Acute eye irritation in rabbits, Lab Report # 11H0414/012309, MRID # 47128105, DACO 4.2.4, IIA 5.2.5

1546973 2005, BAS 800H - Maximization test in guinea pigs, Lab Report # 30H0414/012302, MRID # 47128107, DACO 4.2.6, IIA 5.2.6

1546975 2005, BAS 800H - Range finding study in C57BL/6NCrL mice - Administration in the diet for 4 weeks, Lab Report # 31S0414/01148, MRID # 47128110, DACO 4.3.3, IIA 5.3.1

1546987 2007, BAS 800H - Range finding study in Wistar rats - Administration in the diet for 4 weeks, Lab Report # 30S0414/01147, MRID # 47128108, DACO 4.3.3, IIA 5.3.1

1547000 2005, BAS 800H - Repeated dose 90-day oral toxicity in Wistar rats - Administration in the diet, Lab Report # 50S0414/01156, MRID # 47128109, DACO 4.3.1, IIA 5.3.2

1547010 2007, BAS 800H - Repeated dose 90-day oral toxicity study in C57BL/6NCrl mice - Administration in the diet, Lab Report # 51S0414/01161, MRID # 47128111, DACO 4.3.1, IIA 5.3.2

1547022 2006, BAS 800H - Repeated dose 90-day oral toxicity study in Beagle dogs - Administration via gelatin capsules, Lab Report # 41D0414/01182, MRID # 47128113, DACO 4.3.2, IIA 5.3.3

1547023 2008, BAS 800 H - Repeated dose 90-day oral toxicity study in Beagle dogs - Administration via gelatin capsules, Lab Report # 41D0414/01182, MRID # 47128113, DACO 4.3.2, IIA 5.3.3

1547034 2007, BAS 800H - Subacute oral toxicity study in Beagle dogs - Administration via gelatin capsules for 4 weeks. (Including amendments 1, 2 & 3), Lab Report # 40D0414/01164, MRID # 47128112, DACO 4.3.2, IIA 5.3.3

1547044 2007, BAS 800H - Chronic oral toxicity study in Beagle dogs - Administration via gelatin capsules for 12 months, Lab Report # 43D0414/01196, MRID # 47128118, DACO 4.3.2, IIA 5.3.4

1547055 2006, BAS 800H - Repeat dose 28-days dermal toxicity study in Wistar rats, Lab Report # 33S0414/01193, MRID # 47128114, DACO 4.3.5, IIA 5.3.7

1547057 2005, *Salmonella typhimurium / Escherichia coli* reverse mutation assay (standard plate test and preincubation test) with BAS 800H, Lab Report # 40M0414/014210, MRID # 47128121, DACO 4.5.4, IIA 5.4.1

1547059 2005, *Salmonella typhimurium / Escherichia coli* reverse mutation assay (Standard plate test and preincubation test) with BAS 800H - anhydrate, Lab Report # 40M0267/054031, MRID # 47128122, DACO 4.5.4, IIA 5.4.1

1547061 2005, In vitro chromosome aberation assay with BAS 800H in V79 cells, Lab Report # 32M0414/014214, MRID # 47128124, DACO 4.5.6, IIA 5.4.2

1547063 2005, In vitro gene mutation test with BAS 800H in CHO cells (HPRT locus assay), Lab Report # 50M0414/014213, MRID # 47128123, DACO 4.5.5, IIA 5.4.3

1547065 2005, Cytogenetic study in vivo with BAS 800H in the mouse micronucleus test - Single oral administration, Lab Report # 26M0414/014211, MRID # 47128125, DACO 4.5.7, IIA 5.4.4

1547067 2005, In vivo unscheduled DNA synthesis (UDS) assay with BAS 800H in rat hepatocytes single oral administration, Lab Report # 80M0414/014212, MRID # 47128126, DACO 4.5.8, IIA 5.4.5

1547069 2007, BAS 800H - Combined chronic toxicity/carcinogenicity study in wistar rats: Administration via the diet up to 24 months, Lab Report # 80S0414/01170, MRID # 47128120, DACO 4.4.1, 4.4.2, IIA 5.5.1, IIA 5.5.2

1547081 2007, BAS 800H - Carcinogencity study in C57BL/6NCrl Mice - Administration via the diet over 18 months, Lab Report # 87C0414/01177, MRID # 47128119, DACO 4.4.3, IIA 5.5.3

1547097	2005, BAS 800H - Comparative bioavailability/toxicity study in male Wistar rats for the hydrate and anhydrate crystalline forms, Lab Report # 48C0414/01176, MRID # 47128133, DACO 4.8, IIA 5.5.4
1547099	2005, BAS 800H - Supplementary mechanistic study in Wistar rats - Total porphyrin analysis - Administration in the diet over 8 weeks, Lab Report # 48C0414/01165, MRID # 47128131, DACO 4.8, IIA 5.5.4
1547101	2006, BAS 800H - Mechanistic study in Wistar rats - Total porphyrin analysis - Administration in the diet for at least 4 weeks, Lab Report # 30C0414/01150, MRID # 47128132, DACO 4.8, IIA 5.5.4
1547104	2007, BAS 800H - Two-generation reproduction toxicity study in Wistar rats - Administration via the diet, Lab Report # 70R0414/01200, MRID # 47128117, DACO 4.5.1, IIA 5.6.1
1547124	2007, BAS 800H - Prenatal developmental toxicity study in Wistar rats oral administration (gavage), Lab Report # 30R0414/01178, MRID # 47128115, DACO 4.5.2, IIA 5.6.10
1547131	2006, BAS 800H - Prenatal developmental toxicity study in Himalayan rabbits - Oral administration (gavage), Lab Report # 40R0414/01173, MRID # 47128116, DACO 4.5.3, IIA 5.6.11
1547133	2007, BAS 800H - Acute Oral Neurotoxicity in Wistar rats - Administration via Gavage (Including Amendment No. 1), Lab Report # 61S0414/01208, MRID # 47128127, DACO 4.5.12, IIA 5.7.1
1547135	2007, BAS 800H: Repeated dose 90-day oral neurotoxicity study in Wistar rats - Administration in the diet, Lab Report # 63S0414/01198, MRID # 47128128, DACO 4.5.13, IIA 5.7.4
1547322	2007, BAS 781 02 H: Acute oral toxicity study in rats, Lab Report # 10A0520/071058, MRID # 47128506, DACO 4.6.1, IIIA 7.1.1
1547323	2007, BAS 781 02 H: Acute dermal toxicity study in rats, Lab Report # 11A0520/071059, MRID # 47128507, DACO 4.6.2, IIIA 7.1.2
1547324	2007, BAS 781 02 H: Acute Inhalation Toxicity Study in Wistar Rats 4-hour Liquid Aerosol Dust Exposure, Lab Report # 13I0520/077006, MRID # 47128508, DACO 4.6.3, IIIA 7.1.3
1547325	2007, BAS 781 02 H: Acute dermal irritation/corrosion in rabbits, Lab Report # 18H0520/072139, MRID # 47128510, DACO 4.6.5, IIIA 7.1.4
1547326	2007, BAS 781 02 H: Acute eye irritation in rabbits, Lab Report # 11H0520/072105, MRID # 47128509, DACO 4.6.4, IIIA 7.1.5
1547327	2007, BAS 781 02 H: Modified BUEHLER Test (9 Inductions) in guinea pigs, Lab Report # 33H0520/072140, MRID # 47128511, DACO 4.6.6, IIIA 7.1.6
1546817	2007, Study on the dermal penetration of 14C-BAS 800H in BAS 800 02 H in rats, Lab Report # 01B0627/046022, MRID # 47128214, DACO 5.8, IIIA 7.6.1
1546788	2008, Evaluation of BAS 800H and relevant metabolites FDA multi-residue method (MRM) testing, Lab Report # 2K7-132605, MRID # 47128013, DACO 7.2.4, IIIA 5.3.1
1546790	2007, Method validation of BASF Analytical Method D0603/02: Residue enforcement method for determination of residues BAS 800H and its metabolites M800H11 and M800H35 in plant matrices using LC/MS/MS, Lab Report # 132590, MRID # 47128008, DACO 7.2.1, 7.2.5, IIIA 5.3.1

1546791 2007, Independent method validation of BASF Analytical Method D0603/02: Method for determination of residues BAS 800H and its metabolites M800H11 and M800H35 in plant matrices using LC/MS/MS, Lab Report # 2K7-132602, MRID # 47128009, DACO 7.2.2, IIIA 5.3.1

1546793 2007, Independent laboratory method validation for the determination of BAS 800H in bovine milk and tissues, Lab Report # CEMR-3684, MRID # 47128012, DACO 7.2.3, IIIA 5.3.1

1546795 2007, Validation of BASF Method L0073/01: Determination of BAS 800H in animal matrices, Lab Report # 132629, MRID # 47128011, DACO 7.2.2, IIIA 5.3.1

1546800 2007, Technical procedure: Method for the determination of BAS 800H in animal matrices - BASF Method Number L0073/01, Lab Report # L0073/01, MRID # 47128010, DACO 7.2.1, IIIA 5.3.1

1546821 2007, The magnitude of BAS 800H residues in raw agricultural commodities of the legume vegetable (succulent and dry) and foliage of legume vegetables crop groups following applications of BAS 800 00 H, Lab Report # 132980, MRID # 47128218, DACO 7.4.1, 7.4.2, 7.4.6, IIIA 8.3.1, IIIA 8.3.2, IIIA 8.3.3

1546824 2007, Magnitude of BAS 800H residues in the citrus crop group following applications of BAS 800H, Amended Final Report, Lab Report # 142406, MRID # 47128219, DACO 7.4.1, 7.4.2, 7.4.6, IIIA 8.3.1, IIIA 8.3.2, IIIA 8.3.3

1546826 2007, Magnitude of BAS 800H residues in pome fruits following applications of BAS 800H, Final Report, Lab Report # 179902, MRID # 47128220, DACO 7.4.1, 7.4.2, 7.4.6, IIIA 8.3.1, IIIA 8.3.2, IIIA 8.3.3

1546828 2007, Magnitude of BAS 800H residues in stonefruit following applications of BAS 800H, Final Report, Lab Report # 215320, MRID # 47128221, DACO: 7.4.1, 7.4.2, 7.4.6, IIIA 8.3.1, IIIA 8.3.2, IIIA 8.3.3

1546830 2006, Proposal for a NAFTA crop residue program with BAS 800H, plus memorandum of understanding, MRID # 47128215, DACO: 7.4.1, 7.4.2, 7.4.6, IIIA 8.3.1, IIIA 8.3.2, IIIA 8.3.3

1546831 2007, Magnitude of BAS 800H residues in tree nuts following applications of BAS 800H, Final Report, Lab Report # 218911, MRID # 47128222, DACO 7.4.1, 7.4.2, 7.4.6, IIIA 8.3.1, IIIA 8.3.2, IIIA 8.3.3

1546833 2007, Magnitude of BAS 800H residues in grapes following applications of BAS 800H, Final Report, Lab Report # 218920, MRID # 47128225, DACO 7.4.1, 7.4.2, 7.4.6, IIIA 8.3.1, IIIA 8.3.2, IIIA 8.3.3

1546835 2008, Magnitude of BAS 800H residues in raw agricultural commodities of the cereal grains and forage, fodder and straw of cereal grains crop groups following applications of BAS 800 00 H, Amended Final Report, Lab Report # 176728, MRID # 47128223, DACO 7.4.1, 7.4.2, 7.4.6, IIIA 8.3.1, IIIA 8.3.2, IIIA 8.3.3

1546837 2008, The magnitude of BAS 800H residues in/on cotton following applications of BAS 800 00 H, Final Report, Lab Report # 148700, MRID # 47128224, DACO 7.4.1, 7.4.2, 7.4.6, IIIA 8.3.1, IIIA 8.3.2, IIIA 8.3.3

1546839 2008, Magnitude of BAS 800H residues in sunflower RAC following applications of BAS 800 00H, Final Report, Lab Report # 147617, MRID # 47128226, DACO 7.4.1, 7.4.2, 7.4.6, IIIA 8.3.1, IIIA 8.3.2, IIIA 8.3.3

1546841	2007, Residues of BAS 800H in milk and edible tissues following oral administration to lactating dairy cattle, Lab Report # 132638, CEMS-3669, MRID # 47128015, DACO 6.2, 7.5, 7.6, IIIA 8.4.1, IIIA 8.4.2, IIIA 8.4.3
1546843	2008, Justification for waiving a feeding/residue study in laying hens with BAS 800H, Final Report, Lab Report # 2008/7002706, MRID # 47128019, DACO 6.2, 7.5, 7.6, IIIA 8.4.1, IIIA 8.4.2, IIIA 8.4.3
1546845	2007, The magnitude of BAS 800H residues in soybean aspirated grain and processed fractions, Lab Report # 132986, MRID # 47128227, DACO 7.4.5, 8.4.1, IIIA 8.5.1
1546847	2007, Magnitude of BAS 800H residues in plum processed fractions (prunes) following applications of BAS 800 00 H, Lab Report # 142385, MRID # 47128230, DACO 7.4.5, 8.4.1, IIIA 8.5.1
1546849	2007, Magnitude of BAS 800H residues in apple processed fractions following applications of BAS 800 00 H, Final Report, Lab Report # 142388, MRID # 47128229, DACO 7.4.5, 8.4.1, IIIA 8.5.1
1546851	2007, Magnitude of BAS 800H residues in processed fractions of the cereal grain crop group (Corn, wheat, sorghum and rice) following applications of BAS 800 00 H. Final Report, Lab Report # 133427, MRID # 47128231, DACO 7.4.5, 8.4.1, IIIA 8.5.1
1546854	2007, Magnitude of BAS 800H residues in sunflower processed fractions following a late application of BAS 800 00 H as a dessicant, Lab Report # 145547, MRID # 47128233, DACO 7.4.5, 8.4.1, IIIA 8.5.1
1546856	2007, Magnitude of BAS 800H residues in citrus processed fractions following a late applications of BAS 800 00 H, Final Report, Lab Report # 142391, MRID # 47128228, DACO 7.4.5, 8.4.1, IIIA 8.5.1
1546858	2007, Magnitude of BAS 800H residues in grape processed fractions following applications of BAS 800 00 H, Final Report, Lab Report # 142382, MRID # 47128232, DACO 7.4.3, 7.4.4, 7.4.5, 8.4.1, IIIA 8.5.1, IIIA 8.6
1546860	2007, Rotational crop study with 14C-BAS 800H, Lab Report # 132587, MRID # 47128017, DACO 7.4.3, 7.4.4, IIIA 8.6
1546866	2007, The magnitude of BAS 800H residues in wheat, lettuce and radish planted as rotational crops following an application of BAS 800 00 H to wheat (Plant back intervals of 4, 6 and 9 months), Final Report, Lab Report # 132611, MRID # 47128018, DACO 7.4.3, 7.4.4, IIIA 8.6
1546869	2008, Summaries Food, Feed and Tobacco Residue Studies EP, DACO 6.1, 7.1, IIIA 8.7.1, IIIA 8.7.2
1595375	2008, Rotational crop study with 14C-BAS 800H, DACO 7.4.3
1607919	2008, BAS 800H (Saflufenacil): Extraction Efficiency Of Incurred Residues, DACO 0.8
1608333	2007, Extractability study on soybean matrices after application with 14C-BAS 800H, Lab Report # 330701, DACO 7.2.1
1608334	2008, Magnitude of BAS 800H residues in cotton processed fractions following an application of BAS 800 00 H, Lab Report # 345313, DACO 7.4.5
1546892	2008, BAS 800H: Summary of metabolism in plants and animals, DACO 6.1 (OECD)
1547137	2007, Metabolism of BAS 800H in corn, Lab Report # 132584, MRID # 47128001, DACO 6.3, IIA 6.2.1

1547140 2007, Metabolism of BAS 800H in soybean, Lab Report # 132581, MRID # 47128002, DACO 6.3, IIA 6.2.1

1547142 2007, Metabolism of 14C-BAS 800H in tomato, Lab Report # 142727, MRID # 47128003, DACO 6.3, IIA 6.2.1

1547145 2007, Request for waiver of plant metabolism study in support of sunflower harvest aid / Dessication use with BAS 800H, MRID # 47128004, DACO 6.3, IIA 6.2.1

1547146 2007, The Metabolism of 14C-BAS 800H in laying hens, Lab Report # 132623, MRID # 47128007, DACO 6.2, IIA 6.2.2

1547148 2007, 14C-BAS 800H - Adsorption, distribution and excretion after repeated oral administration in laying hens (including Amendment No. 1), Lab Report # 02B0627/046012, MRID # 47128020, DACO 6.2, IIA 6.2.2

1547150 2007, The Metabolism of 14C-BAS 800H in lactating goats, Lab Report # 132620, MRID # 47128006, DACO 6.2, IIA 6.2.3

1547154 2006, 14C-BAS 800H - Absorption, distribution and excretion after repeated oral administration in lactating goats, Lab Report # 02B0627/046013, MRID # 47128005, DACO 6.2, IIA 6.2.3

1634459 2008, Freezer storage stability of BAS 800H and its metabolites in plant matrices, Lab Report # SubNo-200712-18-02, US-132608, MRID # 47523801, DACO 7.3, IIIA 8.1.1

1669019 2008, BASF Response to Canada PMRA Inquiry Concerning the Acceptability of Radio-validation of the Plant Residue Enforcement Methodology: Extraction Efficiency of Incurred Residues, DACO 0.8

3.0 Environment

1546870 2007, Terrestrial field dissipation of BAS 800H in pine/vegetation management use patterns, Lab Report # 132665, MRID # 47128234, DACO 8.3.2.1, 8.3.2.2, 8.3.2.3, IIIA 9.2.1, IIIA 9.2.2, IIIA 9.2.3

1546872 2007, Terrestrial field dissipation of BAS 800H in orchard and vineyard use patterns, Lab Report # 134549, MRID # 47128236, DACO 8.3.2.1, 8.3.2.2, 8.3.2.3, IIIA 9.2.1, IIIA 9.2.2, IIIA 9.2.3

1546874 2008, Terrestrial field dissipation of BAS 800H in row crop use patterns. Final Report, Lab Report # 132668, MRID # 47128235, DACO 8.3.2.1, 8.3.2.2, 8.3.2.3, IIIA 9.2.1, IIIA 9.2.2, IIIA 9.2.3

1546919 2007, Determination of the Henry's law constant for BAS 800H at 25°C, MRID # 47128822. DACO 2.14.9

1546926 2006, Hydrolysis of 14C-BAS 800H, Lab Report # 132680, MRID # 47127823, DACO 8.2.3.2, IIA 2.9.1

1546951 2007, 14C-BAS 800H: Study on the biokinetics in rats, Lab Report # 02B0627/046008, MRID # 47128129, DACO 4.5.9, IIA 5.1.1

1546953 2007, The metabolism of 14C-BAS 800H (Reg. No. 4054449) in rats, Lab Report # 132617, MRID # 47128130, DACO 4.5.9, IIA 5.1.1

1546961 2005, BAS 800H - Acute oral toxicity study in rats, Lab Report # 10A0414/011124, MRID # 47128101, DACO 4.2.1, IIA 5.2.1

1547104 2007, BAS 800H - Two-generation reproduction toxicity study in Wistar rats - Administration via the diet, Lab Report # 70R0414/01200, MRID # 47128117, DACO 4.5.1, IIA 5.6.1

1547156 2007, Bioaccumulation and metabolism of BAS 800H in bluegill sunfish (*Lepomis macrochirus*), Lab Report # 132626, MRID # 47127909, DACO 9.5.6, IIA 6.2.5

1547163 2007, Aerobic soil metabolism of 14C-BAS 800H on US soils. Final Report, Lab Report # 132650, MRID # 47127826, DACO: 8.2.3.4.2, 8.2.3.4.4, IIA 7.1.2

1547165 2007, Anaerobic aquatic metabolism of 14C-BAS 800H, Final Report, Lab Report # 132647, MRID # 47127828, DACO 8.2.3.4.4, 8.2.3.5.5, 8.2.3.5.6, IIA 7.1.2, IIA 7.8.2

1547168 2007, BAS 800H: Soil photolysis, Amended Final Report, Lab Report # 132653, MRID # 47127825, DACO 8.2.3.3.1, IIA 7.1.3

1547172 2007, Adsorption/desorption of BAS 800H on soils, Lab Report # 132674, MRID # 47127829, DACO 8.2.4.2, IIA 7.4.1

1547177 2007, Adsorption/desorption of the major metabolites (M800H01, M800H02, M800H07, M800H08, M800H15 and M800H22) of BAS 800H on soils, Lab Report # 132677, MRID # 47127830, DACO 8.2.4.2, IIA 7.4.2

1547180 2008, Aerobic aquatic metabolism of 14C BAS 800H under dark and light conditions, Lab Report # 133487, MRID # 47127827, DACO 8.2.3.5.2, 8.2.3.5.4, IIA 7.8.1

1547183 2006, BAS 800H - Acute toxicity in the mallard duck (*Anas platyrhynchos*) after single oral administration (LD_{50}), Lab Report # 13W0414/015145, MRID # 47127912, DACO 9.6.2.1, 9.6.2.2, 9.6.2.3, IIA 8.1.1

1547185 2006, BAS 800H - Acute toxicity in the bobwhite quail (*Colinus virginianus*) after single oral administration (LD_{50}), Lab Report # 11W0414/015141, MRID # 47127911, DACO 9.6.2.1, 9.6.2.2, 9.6.2.3, IIA 8.1.1

1547188 2006, BAS 800H - Avian dietary LC50 test in chicks of the bobwhite quail (*Colinus virginianus*), Lab Report # 31W0414/015139, MRID # 47127913, DACO 9.6.2.4, 9.6.2.5, IIA 8.1.2

1547190 2006, BAS 800H - Avian dietary LC_{50} test in chicks of the mallard duck (*Anas plathyrhynchos*), Lab Report # 32W0414/015140, MRID # 47127914, DACO 9.6.2.4, 9.6.2.5, IIA 8.1.2

1547195 2006, BAS 800H - 1-generation reproduction study on the mallard duck (*Anas platyrhynchus*) by administrtion in the diet, Lab Report # 72W0414/015149, MRID # 47127916, DACO 9.6.3.1, 9.6.3.2, 9.6.3.3, IIA 8.1.4

1547197 2007, A 96-hour shell deposition test with the eastern oyster (*Crassostrea virginica*), Lab Report # 147A-214; BASF 132884, MRID # 47127902, DACO 9.4.2, 9.4.3, 9.4.4, IIA 8.11.1

1547199 2007, BAS 800H: A 96-hour flow-through acute toxicity test with the saltwater mysid (*Americamysis bahia*), Lab Report # 147A-212C; BASF 132881, MRID # 47127903, DACO 9.4.2, 9.4.3, 9.4.4, IIA 8.11.1

1547201 2007, BAS 800H: A 96-hour static acute toxicity test with the sheepshead minnow (*Cyprinodon variegatus*), Lab Report # 147A-213; BASF 132878, MRID # 47127906, DACO 9.4.2, 9.4.3, 9.4.4, IIA 8.11.1

1547203 2007, BAS 800 02 H: A toxicity test to determine the effects of the test substance on seedling emergence of ten species of plants, Lab Report # 147-228; BASF 147485, MRID # 47127918, DACO 9.8.4, IIA 8.12

1547206 2007, BAS 800 01 H: A toxicity test to determine the effects of the test substance on seedling emergence of ten species of plants, Lab Report # 147-226; BASF 147488, MRID # 47127919, DACO 9.8.4, IIA 8.12

1547208 2007, BAS 800 01 H: A toxicity test to determine the effects of the test substance on vegetative vigor of ten species of plants, Lab Report # 147-227; BASF 147482, MRID # 47127921, DACO 9.8.4, IIA 8.12

1547210 2007, BAS 800 02 H: A toxicity test to determine the effects of the test substance on vegetative vigor of ten species of plants, Lab Report # 147-229; BASF 147479, MRID # 47127920, DACO 9.8.4, IIA 8.12

1547213 2005, BAS 800H - Acute toxicity study on the rainbow trout (*Oncorhynchus mykiss*) in a static system over 96 hours, Lab Report # 12F0414/015146, MRID # 47127904, DACO 9.5.2.1, 9.5.2.3, IIA 8.2.1.1

1547215 2005, BAS 800H - Acute toxicity study on the bluegill sunfish (*Lepomis macrochirus*) in a static system over 96 hours, Lab Report # 14F0414/015147, MRID # 47127905, DACO 9.5.2.2, 9.5.2.3, IIA 8.2.1.2

1547217 2007, BAS 800H - Early life-stage test on the fathead minnow (*Pimephales promelas*) in a flow through system (Including amendment no 1), Lab Report # 51F0414/015150, MRID # 47127908, DACO 9.5.3.1, IIA 8.2.4

1547219 2006, Acute toxicity of BAS 800H to *Daphnia magna* STRAUS in a 48 hour static test, Lab Report # 132860, MRID # 47127901, DACO 9.3.2, 9.3.4, IIA 8.3.1

1547221 2007, Chronic toxicity of BAS 800H to *Daphnia magna* straus in a 21 day semi-static test (including amendment No. 1), Lab Report # 132863, MRID # 47127907, DACO 9.3.3, IIA 8.3.2.1

1547223 2006, Effect of BAS 800H (Reg.No. 405449) on the growth of the blue-green alga *Anabaena flos-aquae* (including amendment No. 1), Lab Report # 132851, MRID # 47127925, DACO 9.8.2, 9.8.3, IIA 8.4

1547225 2006, Effect of BAS 800H (Reg.No. 405449) on the growth of the green alga *pseudokirchneriella subcapitata* (including amendment No. 1), Lab Report # 132848, MRID # 47127923, DACO 9.8.2, 9.8.3, IIA 8.4

1547227 2007, BAS 800H: A 96-hour toxicity test with the freshwater diatom (*Navicula pelliculosa*), Lab Report # 147A-215; 132854, MRID # 47127924, DACO 9.8.2, 9.8.3, IIA 8.4

1547230 2007, BAS 200 H: A 96-hour toxicity test with the marine diatom (*Skeletonema costatum*), Lab Report # 147A-216A; BASF 132857, MRID # 47127926, DACO 9.8.2, 9.8.3, IIA 8.4

1547232 2007, Chronic toxicity of BAS 800H (Reg. No. 4054449) to the non-biting midge *Chironomus riparius* exposed via spiked sediment, Lab Report # 132875, MRID # 7127910, DACO 9.3.4, IIA 8.5.1

1547234 2007, Effect of BAS 800H on the growth of *Lemna gibba* (including amendment No. 1), Lab Report # 134222, MRID # 47127922, DACO 9.8.5, IIA 8.6

1547236 2007, BAS 800H: An acute contact toxicity study with the honey bee, Lab Report # 147-231; BASF 132908, MRID # 47127927, DACO 9.2.4.1, IIA 8.7.2

1547238 2006, Acute toxicity of BAS 800H (Reg. No. 4054449) on earthworms (*Eisenia fetida*) in artificial soil with 5% peat, Lab Report # 06/230-125G, MRID # 47127903, DACO 9.2.3.1, IIA 8.9.1

1604187 2008, Effects of BAS 800 01 H on the activity of soil microflora (carbon transformation test), Lab Report # 08 10 48 014 C, MRID # 474308-01, DACO 9.9

1604189 2008, Effects of BAS 800 01 H on the activity of soil microflora (nitrogen transformation test), Lab Report # 08 10 48 014 N, MRID # 474308-02, DACO 9.9

1604191 2008, Effects of BAS 800 01 H on the predatory mite (*Typhlodromus pyri*), Lab Report # 08/640-335RA, MRID # 474308-03, DACO 9.2.5

1608335 2008, Aerobic soil metabolism of 14C-BAS 800H on US soils, Lab Report # 132650, MRID # 0, DACO 8.2.3.4.2

1608338 2008, Assessment of side effects of BAS 800 01 H to the honey bee, *Apis mellifera* L. in the laboratory, Lab Report # 317342, 20071545/S1-BI-EU, MRID # 0, DACO 9.2.4.1

1636082 2008, A rate-response laboratory test to determine the effects of BAS 800 01 H on the parasitic wasp, *Aphidius rhopalosiphi* (Hymenoptera, Braconidae), Lab Report # EU-BASF-08-24, EU-1275526, EU-355425, MRID # 47523804, DACO 9.5.2.2, 9.5.2.3, IIA 8.2.1.2

1636087 2008, A rate-response laboratory test to determine the effects of BAS 781 02 H on the predatory mite, *Typhlodromus pyri* (Acari: Phytoseiidae), Lab Report # EU-355540, MRID # 47523902, DACO 9.2.5, IIA 8.8.1.2

1636089 2008, A rate-response laboratory test to determine the effects of BAS 781 02 H on the parasitic wasp, *Aphidius rhopalosiphi* (Hymenoptera, Braconidae), Lab Report # EU-BASF-08-25, EU-1275523, EU-355543, MRID # 47523901, DACO 9.2.6, IIA 8.8.1.1

1662893 2008, BAS 781 02 H: A 48-hour static acute toxicity test with the cladoceran (*Daphnia magna*), Lab Report # SubNo-200809-03-01, US-WIL-147A-238, US-355545, MRID # 47560402, DACO 9.3.5

1662895 2008, BAS 781 02 H: A 96-hour static acute toxicity test with the rainbow trout (*Oncorhynchus mykiss*), Lab Report # SubNo-200809-02-01, US-WIL-147A-239, US-355546, MRID # 47560401, DACO 9.5.4

1662897 2008, BAS 781 02 H: A 96-hour toxicity test with the freshwater algae (*Pseudokirchneriella subcapitata*), Lab Report # SubNo-200809-05-01, US-WLI-147A-240A, US-355544, MRID # 47560403, DACO 9.8.6

1662899 2008, BAS 781 02 H: A 7-day toxicity test with duckweed (*Lemna gibba* G3), Lab Report # SubNo-200809-09-01, US-WLI-147A-241, US-355547, MRID # 47560404, DACO 9.8.6

1662942 2008, Freezer storage stability of BAS 800H and the relevant metabolites in soil samples, Lab Report # SubNo-200801-08-02, US-132671, MRID # 47560309, DACO 8.3.2

1664709 2008, BAS 800H metabolite M07: A 96-hour static acute toxicity test with the saltwater mysid (*Americamysis bahia*), Lab Report # SubNo-200810-18-01, US-WIL-147A-246, US-356246, MRID # 47560303, DACO 9.4.2

1664711 2008, BAS 800H Metabolite M07: A 96-hour toxicity test with the freshwater alga (*Pseudokirchneriella subcapitata*), Lab Report // SubNo-200809-06-01, US-WLI 147A-242, US-355548, MRID // 47560301, DACO 9.8.2

1664715 2008, Effect of Reg.No.: 4775453 (metabolite of BAS 800H, M800H07) with incorporation into soil on seedling emergence of ten species of terrestrial plants (Including amendment No. 1), Lab Report // EU-AC/BASF/08/11, EU-1275259, EU-314466, MRID // 47560304, DACO 9.8.4

1664720 2008, BAS 800H Metabolite M07: A 7-day toxicity test with duckweed (*Lemna gibba* G3), Lab Report // SubNo-200809-08-01, US-WLI 147A-243, US-355549, MRID // 47560302, DACO 9.8.5

1681997 2008, Acute toxicity (14 days) of Reg. No. 4773881 (metabolite of BAS 800H, M800H08) to the earthworm *Eisenia fetida* in artificial soil, Lab Report // EU-44431021, EU-355542, EU-1275916, MRID // 47560307, DACO 9.2.3.1

1681998 2008: BAS 800H metabolite M08: A 96-hour toxicity test with the freshwater alga (*Pseudokirchneriella subcapitata*) Lab Report // SubNo-200809-01-01, US-WLI 147A-244, US-355550, MRID // 47560305, DACO 9.8.2

1681999 2008, Effects of Reg.No.: 4773881 (metabolite of BAS 800H, M800H08) with incorporation into soil on seedling emergence and seedling growth of ten species of terrestrial plants, Lab Report // EU-AC/BASF/08/12, EU-1275262, EU-314469, MRID // 47560308, DACO 9.8.4

1682000 2008, BAS 800H metabolite M08: A 7-day toxicity test with duckweed (*Lemna gibba* G3), Lab Report // BASF-2008/7013851, MRID // 47560306, DACO 9.8.5

1686946 2008, Anaerobic Soil Metabolism of 14C-BAS 800H, Lab Report // 332554, MRID // 47611201, DACO 8.2.3.4.4

1731028 2009, Amended final report: Aqueous photolysis of 14C-BAS 800H, Lab Report // SubNo-200711-09-02, US-132683, MRID // 47699901, DACO 8.2.3.3.2

1731030 2009, BAS 800H - 1-generation reproduction study on the bobwhite quail (*Colinus virginianus*) by administration in the diet (including amendment No. 1), Lab Report // EU-71W0414/015148, MRID // 47699904, DACO 9.6.3.1

4.0 Value

1546730 2008, Application for BAS 800H Applied Pre-Seed/ Pre-emerge and to Chemfallow, Pre-plant to Soybean, and Pre-Plant or Pre-Plant Incorporated to Corn-Field and Sweet Corn, Lab Report // 2008/7002707, MRID // 47128239, DACO 1.1, 10.1 (OECD), 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.2, 10.2.3.3, 10.3.1 (OECD), 10.3.2, 10.3.3, 10.4, 10.5.1, 10.5.2, 10.5.3, 10.5.4, 5.2, IIIA 1.6, IIIA 3.1, IIIA 3.2, IIIA 3.3.3, IIIA 3.8.1, IIIA 6.2.1, IIIA 6.2.8, IIIA 6.3, IIIA 6.4.1, IIIA 6.4.2, IIIA 6.4.3

1546731 2008, Application for BAS 800H Applied Pre-Seed/ Pre-emerge and to Chemfallow, Pre-plant to Soybean, and Pre-Plant or Pre-Plant Incorporated to Corn-Field and Sweet Corn, MRID // 47128239, DACO 1.1, 10.1 (OECD), 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.2, 10.2.3.3, 10.3.1 (OECD), 10.3.2, 10.3.3, 10.4, 10.5.1, 10.5.2, 10.5.3, 10.5.4, 5.2, IIIA 1.6, IIIA 3.1, IIIA 3.2, IIIA 3.3.3, IIIA 3.8.1, IIIA 6.2.1, IIIA 6.2.8, IIIA 6.3, IIIA 6.4.1, IIIA 6.4.2, IIIA 6.4.3

1546732 2008, Application for BAS 800H Applied Pre-Seed/ Pre-emerge and to Chemfallow, Pre-plant to Soybean, and Pre-Plant or Pre-Plant Incorporated to Corn-Field and Sweet Corn, MRID # 47128239, DACO 1.1, 10.1 (OECD), 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.2, 10.2.3.3, 10.3.1 (OECD), 10.3.2, 10.3.3, 10.4, 10.5.1, 10.5.2, 10.5.3, 10.5.4, 5.2, IIIA 1.6, IIIA 3.1, IIIA 3.2, IIIA 3.3.3, IIIA 3.8.1, IIIA 6.2.1, IIIA 6.2.8, IIIA 6.3, IIIA 6.4.1, IIIA 6.4.2, IIIA 6.4.3

1546733 2008, Application for BAS 800H Applied Pre-Seed/ Pre-emerge and to Chemfallow, Pre-plant to Soybean, and Pre-Plant or Pre-Plant Incorporated to Corn-Field and Sweet Corn, MRID # 47128239, DACO 1.1, 10.1 (OECD), 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.2, 10.2.3.3, 10.3.1 (OECD), 10.3.2, 10.3.3, 10.4, 10.5.1, 10.5.2, 10.5.3, 10.5.4, 5.2, IIIA 1.6, IIIA 3.1, IIIA 3.2, IIIA 3.3.3, IIIA 3.8.1, IIIA 6.2.1, IIIA 6.2.8, IIIA 6.3, IIIA 6.4.1, IIIA 6.4.2, IIIA 6.4.3

1546734 2008, Application for BAS 800H Applied Pre-Seed/ Pre-emerge and to Chemfallow, Pre-plant to Soybean, and Pre-Plant or Pre-Plant Incorporated to Corn-Field and Sweet Corn, MRID # 47128239, DACO 1.1, 10.1 (OECD), 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.2, 10.2.3.3, 10.3.1 (OECD), 10.3.2, 10.3.3, 10.4, 10.5.1, 10.5.2, 10.5.3, 10.5.4, 5.2, IIIA 1.6, IIIA 3.1, IIIA 3.2, IIIA 3.3.3, IIIA 3.8.1, IIIA 6.2.1, IIIA 6.2.8, IIIA 6.3, IIIA 6.4.1, IIIA 6.4.2, IIIA 6.4.3

1546735 2008, Application for BAS 800H Applied Pre-Seed/ Pre-emerge and to Chemfallow, Pre-plant to Soybean, and Pre-Plant or Pre-Plant Incorporated to Corn-Field and Sweet Corn, MRID # 47128239, DACO 1.1, 10.1 (OECD), 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.2, 10.2.3.3, 10.3.1 (OECD), 10.3.2, 10.3.3, 10.4, 10.5.1, 10.5.2, 10.5.3, 10.5.4, 5.2, IIIA 1.6, IIIA 3.1, IIIA 3.2, IIIA 3.3.3, IIIA 3.8.1, IIIA 6.2.1, IIIA 6.2.8, IIIA 6.3, IIIA 6.4.1, IIIA 6.4.2, IIIA 6.4.3

1546736 2008, Application for BAS 800H Applied Pre-Seed/ Pre-emerge and to Chemfallow, Pre-plant to Soybean, and Pre-Plant or Pre-Plant Incorporated to Corn-Field and Sweet Corn, MRID # 47128239, DACO 1.1, 10.1 (OECD), 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.2, 10.2.3.3, 10.3.1 (OECD), 10.3.2, 10.3.3, 10.4, 10.5.1, 10.5.2, 10.5.3, 10.5.4, 5.2, IIIA 1.6, IIIA 3.1, IIIA 3.2, IIIA 3.3.3, IIIA 3.8.1, IIIA 6.2.1, IIIA 6.2.8, IIIA 6.3, IIIA 6.4.1, IIIA 6.4.2, IIIA 6.4.3

1546738 2008, Application for BAS 800H Applied Pre-Seed/ Pre-emerge and to Chemfallow, Pre-plant to Soybean, and Pre-Plant or Pre-Plant Incorporated to Corn-Field and Sweet Corn, MRID # 47128239, DACO 1.1, 10.1 (OECD), 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.2, 10.2.3.3, 10.3.1 (OECD), 10.3.2, 10.3.3, 10.4, 10.5.1, 10.5.2, 10.5.3, 10.5.4, 5.2, IIIA 1.6, IIIA 3.1, IIIA 3.2, IIIA 3.3.3, IIIA 3.8.1, IIIA 6.2.1, IIIA 6.2.8, IIIA 6.3, IIIA 6.4.1, IIIA 6.4.2, IIIA 6.4.3

1546739 2008, Application for BAS 800H Applied Pre-Seed/ Pre-emerge and to Chemfallow, Pre-plant to Soybean, and Pre-Plant or Pre-Plant Incorporated to Corn-Field and Sweet Corn, MRID # 47128239, DACO 1.1, 10.1 (OECD), 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.2, 10.2.3.3, 10.3.1 (OECD), 10.3.2, 10.3.3, 10.4, 10.5.1, 10.5.2, 10.5.3, 10.5.4, 5.2, IIIA 1.6, IIIA 3.1, IIIA 3.2, IIIA 3.3.3, IIIA 3.8.1, IIIA 6.2.1, IIIA 6.2.8, IIIA 6.3, IIIA 6.4.1, IIIA 6.4.2, IIIA 6.4.3

1546740 2008, Application for BAS 800H Applied Pre-Seed/ Pre-emerge and to Chemfallow, Pre-plant to Soybean, and Pre-Plant or Pre-Plant Incorporated to Corn-Field and Sweet Corn, MRID # 47128239, DACO 1.1, 10.1 (OECD), 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.2, 10.2.3.3, 10.3.1 (OECD), 10.3.2, 10.3.3, 10.4, 10.5.1, 10.5.2, 10.5.3, 10.5.4, 5.2, IIIA 1.6, IIIA 3.1, IIIA 3.2, IIIA 3.3.3, IIIA 3.8.1, IIIA 6.2.1, IIIA 6.2.8, IIIA 6.3, IIIA 6.4.1, IIIA 6.4.2, IIIA 6.4.3

1546743 2008, Application for BAS 800H Applied Pre-Seed/ Pre-emerge and to Chemfallow, Pre-plant to Soybean, and Pre-Plant or Pre-Plant Incorporated to Corn-Field and Sweet Corn, MRID # 47128239, DACO 1.1, 10.1 (OECD), 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.2, 10.2.3.3, 10.3.1 (OECD), 10.3.2, 10.3.3, 10.4, 10.5.1, 10.5.2, 10.5.3, 10.5.4, 5.2, IIIA 1.6, IIIA 3.1, IIIA 3.2, IIIA 3.3.3, IIIA 3.8.1, IIIA 6.2.1, IIIA 6.2.8, IIIA 6.3, IIIA 6.4.1, IIIA 6.4.2, IIIA 6.4.3

1546746 2008, Application for BAS 800H Applied Pre-Seed/ Pre-emerge and to Chemfallow, Pre-plant to Soybean, and Pre-Plant or Pre-Plant Incorporated to Corn-Field and Sweet Corn, MRID # 47128239, DACO 1.1, 10.1 (OECD), 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.2, 10.2.3.3, 10.3.1 (OECD), 10.3.2, 10.3.3, 10.4, 10.5.1, 10.5.2, 10.5.3, 10.5.4, 5.2, IIIA 1.6, IIIA 3.1, IIIA 3.2, IIIA 3.3.3, IIIA 3.8.1, IIIA 6.2.1, IIIA 6.2.8, IIIA 6.3, IIIA 6.4.1, IIIA 6.4.2, IIIA 6.4.3

1546748 2008, Application for BAS 800H Applied Pre-Seed/ Pre-emerge and to Chemfallow, Pre-plant to Soybean, and Pre-Plant or Pre-Plant Incorporated to Corn-Field and Sweet Corn, MRID # 47128239, DACO 1.1, 10.1 (OECD), 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.2, 10.2.3.3, 10.3.1 (OECD), 10.3.2, 10.3.3, 10.4, 10.5.1, 10.5.2, 10.5.3, 10.5.4, 5.2, IIIA 1.6, IIIA 3.1, IIIA 3.2, IIIA 3.3.3, IIIA 3.8.1, IIIA 6.2.1, IIIA 6.2.8, IIIA 6.3, IIIA 6.4.1, IIIA 6.4.2, IIIA 6.4.3

1546771 2007, BAS 800 00 H: Tank mix uniformity of a WG formulation in a simulated spray tank, Lab Report # F200713, MRID # 47128217, DACO 10.6, 3.7, IIIA 1.7, IIIA 2.15

1546772 2008, BAS 800 UC H: Tank mix uniformity of an EC formulation in a simulated spray tank, Lab Report # F200714, MRID # 47128238, DACO 10.6, 3.7, IIIA 1.7, IIIA 2.15

1546784 2008, Use Site Description for Heat WG and BAS 800H WG containing active ingredient Saflufenacil for use in Barley, Canary Seed, Chickpeas, Lentils, Oats, Peas, Wheat, Corn Field and Sweet, Soybeans and Chemfallow, DACO 1.1, 10.2.2, 10.2.3.1, 10.2.3.2, 10.2.3.3, 5.2, IIIA 3.3.1, IIIA 3.3.2, IIIA 3.3.3

1546860 2007, Rotational crop study with 14C-BAS 800H, Lab Report # 132587, MRID # 47128017, DACO 7.4.3, 7.4.4, IIIA 8.6

1547297 2008, Application for BAS 781 H Applied Pre-Emergence or Pre-Plant Incorporated to Corn (Field and Sweet), DACO 1.1, 10.1 (OECD), 10.2.3.1, 10.2.3.2, 10.2.3.3, 10.2.3.4, 10.3.1 (OECD), 10.3.2, 10.3.3, 10.4, 10.5.1, 10.5.2, 10.5.3, 10.5.4, 5.2, IIIA 3.3.3, IIIA 3.8.1, IIIA 6.1.3, IIIA 6.2.1, IIIA 6.2.8, IIIA 6.3, IIIA 6.4.1, IIIA 6.4.2, IIIA 6.4.3

1547299 2008, Application for BAS 781 H Applied Pre-Emergence or Pre-Plant Incorporated to Corn (Field and Sweet), DACO 1.1, 10.1 (OECD), 10.2.3.1, 10.2.3.2, 10.2.3.3, 10.2.3.4, 10.3.1 (OECD), 10.3.2, 10.3.3, 10.4, 10.5.1, 10.5.2, 10.5.3, 10.5.4, 5.2, IIIA 3.3.3, IIIA 3.8.1, IIIA 6.1.3, IIIA 6.2.1, IIIA 6.2.8, IIIA 6.3, IIIA 6.4.1, IIIA 6.4.2, IIIA 6.4.3

1547302 2008, Application for BAS 781 H Applied Pre-Emergence or Pre-Plant Incorporated to Corn (Field and Sweet), DACO 1.1, 10.1 (OECD), 10.2.3.1, 10.2.3.2, 10.2.3.3, 10.2.3.4, 10.3.1 (OECD), 10.3.2, 10.3.3, 10.4, 10.5.1, 10.5.2, 10.5.3, 10.5.4, 5.2, IIIA 3.3.3, IIIA 3.8.1, IIIA 6.1.3, IIIA 6.2.1, IIIA 6.2.8, IIIA 6.3, IIIA 6.4.1, IIIA 6.4.2, IIIA 6.4.3

1547303 2008, Application for BAS 781 H Applied Pre-Emergence or Pre-Plant Incorporated to Corn (Field and Sweet), DACO 1.1, 10.1 (OECD), 10.2.3.1, 10.2.3.2, 10.2.3.3, 10.2.3.4, 10.3.1 (OECD), 10.3.2, 10.3.3, 10.4, 10.5.1, 10.5.2, 10.5.3, 10.5.4, 5.2, IIIA 3.3.3, IIIA 3.8.1, IIIA 6.1.3, IIIA 6.2.1, IIIA 6.2.8, IIIA 6.3, IIIA 6.4.1, IIIA 6.4.2, IIIA 6.4.3

1547304 2008, Application for BAS 781 H Applied Pre-Emergence or Pre-Plant Incorporated to Corn (Field and Sweet), DACO 1.1, 10.1 (OECD), 10.2.3.1, 10.2.3.2, 10.2.3.3, 10.2.3.4, 10.3.1 (OECD), 10.3.2, 10.3.3, 10.4, 10.5.1, 10.5.2, 10.5.3, 10.5.4, 5.2, IIIA 3.3.3, IIIA 3.8.1, IIIA 6.1.3, IIIA 6.2.1, IIIA 6.2.8, IIIA 6.3, IIIA 6.4.1, IIIA 6.4.2, IIIA 6.4.3

1547305 2008, Application for BAS 781 H Applied Pre-Emergence or Pre-Plant Incorporated to Corn (Field and Sweet), DACO 1.1, 10.1 (OECD), 10.2.3.1, 10.2.3.2, 10.2.3.3, 10.2.3.4, 10.3.1 (OECD), 10.3.2, 10.3.3, 10.4, 10.5.1, 10.5.2, 10.5.3, 10.5.4, 5.2, IIIA 3.3.3, IIIA 3.8.1, IIIA 6.1.3, IIIA 6.2.1, IIIA 6.2.8, IIIA 6.3, IIIA 6.4.1, IIIA 6.4.2, IIIA 6.4.3

1547307 2008, Application for BAS 781 H Applied Pre-Emergence or Pre-Plant Incorporated to Corn (Field and Sweet), DACO 1.1, 10.1 (OECD), 10.2.3.1, 10.2.3.2, 10.2.3.3, 10.2.3.4, 10.3.1 (OECD), 10.3.2, 10.3.3, 10.4, 10.5.1, 10.5.2, 10.5.3, 10.5.4, 5.2, IIIA 3.3.3, IIIA 3.8.1, IIIA 6.1.3, IIIA 6.2.1, IIIA 6.2.8, IIIA

B. Additional Information Considered

i) Published Information

Environment

Atkinson R. 1989. Kinetics and mechanisms of the gas-phase reactions of the hydroxyl radical with organic compounds. Journal of Physical and Chemical Reference Data. Monograph No. 1.

Betterton EA. 1991. The partitioning of ketones between the gas and aqueous phases. Atmos Environ 25A: 1473-1477.

Meylan WM, Howard PH. 1993. Computer estimation of the atmospheric gas-phase reaction rate of organic compounds with hydroxyl radicals and ozone. Chemosphere 26:2293-2299.

Neely WB, Blau GE. 1985. Environmental exposure from chemicals. Boca Raton, Florida: CRC Press.

Rochester CH, Symonds JR. 1973. Thermodynamic studies of fluoroalcohols. J Chem Soc Faraday Trans 1 69:1577-1585.

US EPA. 2009. Estimated Program Interface Suite™ for Microsoft® Windows, v 4.00. United States Environmental Protection Agency, Washington, DC, USA. Available from, as of 2009-May-25: http://www.epa.gov/oppt/exposure/pubs/episuite.htm

ii) Unpublished Information

Environment

1044837 1998, US EPA, Data Evaluation Record - Request to Register Resolved Isomer of Dimethenamid, DACO: 12.5.8

1128718 1997, SAN 1289 H Technical: Toxicity to the Freshwater Green Alga, *Selenastrum capricornutum*, DACO: 9.8.3